INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Application Number 10764801 Filing Date 2004-01-26 First Named Inventor R. KRAFT et al. Art Unit 2163 Examiner Name Wilson Lee Attorney Docket Number SVL920030117US1

				U.S.I	Remove	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	4965763		1990-10-23	Zamora	
	2	5187790		1993-02-16	East et al.	
	3	5265221		1993-11-23	Miller	
	4	5297039		1994-03-22	Kanaegami et al.	
	5	5638543		1997-06-10	Pederson et al.	
	6	5708825		1998-01-13	Sotomayor	
	7	5721938		1998-02-24	Stuckey	
	8	5721939		1998-02-24	Kaplan	

Application Number		10764801	
Filing Date		2004-01-26	
First Named Inventor R. KR		RAFT et al.	
Art Unit		2163	
Examiner Name Wilso		n Lee	
Attorney Docket Number		SVL920030117US1	

9	5729730	1998-03-17	Wlaschin et al.	
10	5809502	1998-09-15	Burrows	
11	5862325	1999-01-19	Reed et al.	
12	5884305	1999-03-16	Kleinberg et al.	
13	5890103	1999-03-30	Carus	
14	5903646	1999-05-11	Rackman	
15	5909677	1999-06-01	Broder et al.	
16	5933822	1999-08-03	Braden-Harder et al.	
17	5963940	1999-10-05	Liddy et al.	
18	5974412	1999-10-26	Hazlehurst et al.	
19	6026388	2000-02-15	Liddy et al.	

Application Number		10764801		
Filing Date		2004-01-26		
First Named Inventor R. KF		RAFT et al.		
Art Unit		2163		
Examiner Name Wilso		n Lee		
Attorney Docket Number		SVL920030117US1		

20	6029165	2000-02-22	Gable	
21	6035268	2000-03-07	Carus et al.	
22	6119124	2000-09-12	Broder et al.	
23	6182121	2001-01-30	Wlaschin	
24	6192333	2001-02-20	Pentheroudakis	
25	6205456	2001-03-20	Nakao	
26	6243713	2001-06-05	Nelson et al.	
27	6269361	2001-07-31	Davis et al.	
28	6285999	2001-09-04	Page	
29	6295529	2001-09-25	Corston-Oliver et al.	
30	6308179	2001-10-23	Peterson et al.	

Application Number		10764801	
Filing Date		2004-01-26	
First Named Inventor R. KR		RAFT et al.	
Art Unit		2163	
Examiner Name Wilso		n Lee	
Attorney Docket Number		SVL920030117US1	

31	6324566	2001-11-27	Himmel et al.	
32	6381602	2002-04-30	Shoroff et al.	
33	6421655	2002-07-16	Horvitz et al.	
34	6519592	2003-02-11	Getchius et al.	
35	6547829	2003-04-15	Meyerzon et al.	
36	6553385	2003-04-22	Johnson et al.	
37	6578032	2003-06-10	Chandrasekar et al.	
38	6594682	2003-07-15	Peterson et al.	
39	6615209	2003-09-02	Gomes et al.	
40	6618725	2003-09-09	Fukuda et al.	
41	6622211	2003-09-16	Henry et al.	

Application Number		10764801		
Filing Date		2004-01-26		
First Named Inventor R. KF		RAFT et al.		
Art Unit		2163		
Examiner Name Wilso		n Lee		
Attorney Docket Numb	er	SVL920030117US1		

	42	6631369		2003-10-07	Meyerzon et al.				
	43	6631496		2003-10-07	Li et al.				
	44	6633872		2003-10-14	Ambrosini et al.				
	45	6643650		2003-11-04	Slaughter et al.				
	46	6658406		2003-12-02	Mazner et al.				
	47	6658423		2003-12-02	Pugh et al.				
	48	6665657		2003-12-16	Dibachi				
	49	6678409		2004-01-13	Wu et al.				
	50	6754873		2004-06-22	Law et al.				
If you wis	If you wish to add additional U.S. Patent citation information please click the Add button. Add								
			U.S.P	ATENT APPLIC	CATION PUBLICATIONS	Remove			
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			

Application Number		10764801		
Filing Date		2004-01-26		
First Named Inventor R. KF		RAFT et al.		
Art Unit		2163		
Examiner Name Wilso		n Lee		
Attorney Docket Number		SVL920030117US1		

	1												
If you wisl	If you wish to add additional U.S. Published Application citation information please click the Add button. Add												
			F	FOREIG	N PAT	ENT DOCUM	ENTS		Remove				
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j				Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document	or	where Rel	or Relevant	T5
	1												
If you wisl	h to ac	dd additional Foreign P	atent Doc	cument o	citation	information pl	ease click the Add	button	Add		•		
			NON-	-PATEN	IT LITE	RATURE DO	CUMENTS		Remove				
Examiner Initials*	Cite No	(book, magazine, jour	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.										
	1	AGRAWAL, S., S CHAUDHURI and G. DAS, "DBXplorer: A System for Keyword-Based Search over Relational Databases," Proceedings of 18th International Conference on Data Engineering, 2002, 12 pp.											
	2	AGRAWAL, S., S CHAUDHURI and G. DAS, "DBXplorer: Enabling Keyword Search over Relational Databases", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pg. 627.											
	BHALOTIA, G., A. HULGERI, C NAKHE, S. CHAKRABARTI and S. SUDARSHAN, "Keyword Searching and Browsing in Databases Using BANKS", Proceedings of the 18th International Conference on Data Engineering, 2002, 10 pp.												
	4	BRIN, S. and L. PAGE, "The Anatomy of a Large-Scale Hypertextual Web Search Engine", Computer Networks and ISDN Systems, Vol. 30, No. 1-7, 1998, pp. 107-117.											
	5	BRODER, A.Z., D. CARMEL, M. HERSCOVICHI, A. SOFFER and J. ZIEN, "Efficient Query Evaluation Using a Two-Level Retrieval Process", Twelfth International Conference on Information Knowledge Management (CIKM 2003), 2003, pp. 426-434.											

Application Number		10764801		
Filing Date		2004-01-26		
First Named Inventor R. KF		RAFT et al.		
Art Unit		2163		
Examiner Name Wilso		n Lee		
Attorney Docket Number		SVL920030117US1		

6	BRODER, A.Z., S.C. GLASSMAN, M.S. MANASSE, and G. ZWEIG, "Syntactic Clustering of the Web", Computer Networks and ISDN Systems, Vol. 29, Iss. 8-13, 1997, pp. 1157-1166.	
7	BRUNO, N., K. KOUDAS and D. SRIVASTAVA, "Holistic Twig Joins: Optimal XML Pattern Matching", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pp. 310-321.	
8	CARMEL, D., Y. MAAREK, M. MANDELBROD, Y. MASS and A. SOFFER, "Searching XML Documents via XML Fragments," Proceedings of the 26th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, 2003, pp. 151-158.	
9	FONTOURA, M., E. SHEKITA, J. ZIEN, S. RAJAGOPALAN and A. NEUMANN, "High Performance Index Build Algorithms for Intranet Search Engines", Proceedings of 30th International Conference on Very Large Data Bases, 2004, pp. 1158-1169.	
10	FRENCH, G., "Hacking the Google Numrange Operator", [online], April 1, 2004, [retrieved on August 31, 2004], retrieved from the Internet at <url: http:="" insiderreports="" searchinsider="" wpn-49-20040401hackingthegooglenumrangeoperator.html="" www.webpronews.com="">.</url:>	
11	GOOGLE, "Advanced Search", [online], 2003, [retrieved on August 31, 2004], retrieved from the Internet at <url: help="" http:="" refinesearch.html="" www.google.com="">.</url:>	
12	GRAVANO, L., P.G. IPEIROTIS, N. KOUDAS and D. SRIVASTAVA, "Text Joins in an RDBMS for Web Data Integration", Proceedings of the 12th International Conference on World Wide Web, 2003, pp. 90-101.	
13	GUTTMAN, A., "R-Trees: A Dynamic Index Structure for Spatial Searching", Proceedings of the 1984 ACM SIGMOD International Conference on Management of Data, 1984, pp. 47-57.	
14	HRISTIDIS, V. and Y. PAPAKONSTANTINOU, "DISCOVER: Keyword Search in Relational Databases", Proceedings of the 28th VLDB Conference, 2002, 12 pp.	
15	KAUSHIK, R., R. KRISHNAMURTHY, J.F. NAUGHTON and R. RAMAKRISHNAN, "On the Integration of Structure Indexes and Inverted Lists," Proceedings of the 20th International Conference on Data Engineering, 2004, 1 pg.	
16	MELNIK, S., S. RAGHAVAN, B. YANG AND H. GARCIA-MOLINA, "Building a Distributed Full-Text Index for the Web," ACM Transactions on Information Systems, Vol. 19, No. 3, July 2001, pp. 217-241.	
 _		

Application Number		10764801	
Filing Date		2004-01-26	
First Named Inventor R. KR		RAFT et al.	
Art Unit		2163	
Examiner Name Wilso		n Lee	
Attorney Docket Number		SVL920030117US1	

	17	PRESS, W.H., B.P. FLANNERY, S.A. TEUKOLSKY AND W.T. VETTERLING, "Numerical Recipes in C: The Art of Scientific Computing", 1998, Ch. 9, pp. 258-263.						
	18	RAGHAVAN, S. and H. GARCIA-MOLINA, "Complex Queries over Web Repositories", Proceedings of the 29th VLDB Conference, 2003, pp. 33-44.						
	RAGHAVAN, S. and H. GARCIA-MOLINA, "Integrating Diverse Information Management Systems: A Brief Survey", IEEE Data Engineering Bulletin, 2001, Vol. 24, No. 4, pp. 44-52.							
	20	RAMSAK, F., V. MARKL, R. FENK, M. ZIRKEL, K. ELHARDT and R. BAYER, "Integrating the UB-Tree into a Database System Kernel", Proceedings of 26th International Conference on Very Large Data Bases, September 2000, pp. 263-272.						
	21	SPERTUS, E. and L.A. STEIN, "Squeal: A Structured Query Language for the Web", Proceedings of the 9th international World Wide Web Conference on Computer Networks, 2000, pp. 95-103.						
	22	US Patent Application Serial No. 11/182,334, filed July 14, 2005, entitled "Enforcing Native Access Control to Indexed Documents", invented by R. LEMPEL, T. LEYBA, J.A. MCPHERSON, JR., and J.L. PEREZ.						
	US Patent Application Serial No. 11/295,397, filed December 5, 2005, entitled "Improving Text Search Quality by Exploiting Organizational Information", invented by T. HAMPP, M. BAESSLER, A. LANG, T.W. GOETZ, A. BAADER, and J. DOERRE.							
	24	LOMET, D. (Ed.), "Bulletin of the Technical Committee on Data Engineering", December 2001, Vol. 24, No. 4, 56 pp.						
If you wish to add additional non-patent literature document citation information please click the Add button Add								
EXAMINER SIGNATURE								
Examiner	Examiner Signature Date Considered							
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								
¹ See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.								

(Not for submission under 37 CFR 1.99)

Application Number		10764801
Filing Date		2004-01-26
First Named Inventor R. KR		RAFT et al.
Art Unit		2163
Examiner Name	Wilso	n Lee
Attorney Docket Number		SVL920030117US1

CERTIFICATION STATEMENT						
Plea	ase see 37 CFR 1	.97 and 1.98 to make the appropriate selection	on(s):			
	That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).					
OR						
	That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).					
	See attached cer	rtification statement.				
	Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.					
✓	None					
SIGNATURE A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.						
Sigr	nature	/Janaki K. Davda/	Date (YYYY-MM-DD)	2006-09-11		
Name/Print		Janaki K. Davda	Registration Number	40684		
pub 1.14 app	lic which is to file (l. This collection i lication form to the	mation is required by 37 CFR 1.97 and 1.98. (and by the USPTO to process) an applicatio s estimated to take 1 hour to complete, include USPTO. Time will vary depending upon the is form and/or suggestions for reducing this l	n. Confidentiality is goverreding gathering, preparing a individual case. Any com	ned by 35 U.S.C. 122 and 37 CFR and submitting the completed amount of time you		

Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria**,

VA 22313-1450.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
 - 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.